

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 09/831,686A
Source: PCF
Date Processed by STIC: 1/12/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 01/12/2005

PATENT APPLICATION: US/09/831,686A

TIME: 09:47:41

Input Set : A:\43232-1.txt

Output Set: N:\CRF4\01122005\I831686A.raw

4 <110> APPLICANT: Stephen Alister Locarnini
5 Joseph Torresi
6 Linda Earnest-Silvera
7 Angela Ingrid Bartholomeusz
9 <120> TITLE OF INVENTION: Biological Compositions, Components
10 Thereof and Uses Therefor
13 <130> FILE REFERENCE: 43232-1
15 <140> CURRENT APPLICATION NUMBER: 09/831,686A
C--> 16 <141> CURRENT FILING DATE: 2001-07-31
18 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00993
19 <151> PRIOR FILING DATE: 1999-11-10
21 <150> PRIOR APPLICATION NUMBER: AU PP7060
22 <151> PRIOR FILING DATE: 1998-11-11
24 <160> NUMBER OF SEQ ID NOS: 16
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 226
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: synthetic
36 <220> FEATURE:
37 <221> NAME/KEY: variant
38 <222> LOCATION: (2)..(2)
39 <223> OTHER INFORMATION: Xaa = E or G or D
41 <220> FEATURE:
42 <221> NAME/KEY: variant
43 <222> LOCATION: (3)..(3)
44 <223> OTHER INFORMATION: Xaa = N or S or K
46 <220> FEATURE:
47 <221> NAME/KEY: variant
48 <222> LOCATION: (4)..(4)
49 <223> OTHER INFORMATION: Xaa = I or T
51 <220> FEATURE:
52 <221> NAME/KEY: variant
53 <222> LOCATION: (5)..(5)
54 <223> OTHER INFORMATION: Xaa = T or A
56 <220> FEATURE:
57 <221> NAME/KEY: variant
58 <222> LOCATION: (8)..(8)
59 <223> OTHER INFORMATION: Xaa = F or L
61 <220> FEATURE:
62 <221> NAME/KEY: variant

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63 <222> LOCATION: (10)..(10)
64 <223> OTHER INFORMATION: Xaa = G or R
66 <220> FEATURE:
67 <221> NAME/KEY: variant
68 <222> LOCATION: (13)..(13)
69 <223> OTHER INFORMATION: Xaa = L or R
71 <220> FEATURE:
72 <221> NAME/KEY: variant
73 <222> LOCATION: (18)..(18)
74 <223> OTHER INFORMATION: Xaa = G or V
76 <220> FEATURE:
77 <221> NAME/KEY: variant
78 <222> LOCATION: (19)..(19)
79 <223> OTHER INFORMATION: Xaa = F or C
81 <220> FEATURE:
82 <221> NAME/KEY: variant
83 <222> LOCATION: (21)..(21)
84 <223> OTHER INFORMATION: Xaa = L or S or W
86 <220> FEATURE:
87 <221> NAME/KEY: variant
88 <222> LOCATION: (24)..(24)
89 <223> OTHER INFORMATION: Xaa = R or K
91 <220> FEATURE:
92 <221> NAME/KEY: variant
93 <222> LOCATION: (26)..(26)
94 <223> OTHER INFORMATION: Xaa = L or R
96 <220> FEATURE:
97 <221> NAME/KEY: variant
98 <222> LOCATION: (27)..(27)
99 <223> OTHER INFORMATION: Xaa = T or K
101 <220> FEATURE:
102 <221> NAME/KEY: variant
103 <222> LOCATION: (30)..(30)
104 <223> OTHER INFORMATION: Xaa = Q or K
106 <220> FEATURE:
107 <221> NAME/KEY: variant
108 <222> LOCATION: (33)..(33)
109 <223> OTHER INFORMATION: Xaa = D or H
111 <220> FEATURE:
112 <221> NAME/KEY: variant
113 <222> LOCATION: (44)..(44)
114 <223> OTHER INFORMATION: Xaa = G or E or A
116 <220> FEATURE:
117 <221> NAME/KEY: variant
118 <222> LOCATION: (45)..(45)
119 <223> OTHER INFORMATION: Xaa = S or A or V or T or L
121 <220> FEATURE:
122 <221> NAME/KEY: variant
123 <222> LOCATION: (46)..(46)

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124 <223> OTHER INFORMATION: Xaa = P or T
126 <220> FEATURE:
127 <221> NAME/KEY: variant
128 <222> LOCATION: (47)..(47)
129 <223> OTHER INFORMATION: Xaa = V or R or T or K or G
131 <220> FEATURE:
132 <221> NAME/KEY: variant
133 <222> LOCATION: (49)..(49)
134 <223> OTHER INFORMATION: Xaa = L or P
136 <220> FEATURE:
137 <221> NAME/KEY: variant
138 <222> LOCATION: (51)..(51)
139 <223> OTHER INFORMATION: Xaa = Q or L or K
141 <220> FEATURE:
142 <221> NAME/KEY: variant
143 <222> LOCATION: (53)..(53)
144 <223> OTHER INFORMATION: Xaa = S or L
146 <220> FEATURE:
147 <221> NAME/KEY: variant
148 <222> LOCATION: (56)..(56)
149 <223> OTHER INFORMATION: Xaa = P or Q
151 <220> FEATURE:
152 <221> NAME/KEY: variant
153 <222> LOCATION: (57)..(57)
154 <223> OTHER INFORMATION: Xaa = T or I
156 <220> FEATURE:
157 <221> NAME/KEY: variant
158 <222> LOCATION: (59)..(59)
159 <223> OTHER INFORMATION: Xaa = N or S
161 <220> FEATURE:
162 <221> NAME/KEY: variant
163 <222> LOCATION: (61)..(61)
164 <223> OTHER INFORMATION: Xaa = S or L
166 <220> FEATURE:
167 <221> NAME/KEY: variant
168 <222> LOCATION: (63)..(63)
169 <223> OTHER INFORMATION: Xaa = T or I
171 <220> FEATURE:
172 <221> NAME/KEY: variant
173 <222> LOCATION: (64)..(64)
174 <223> OTHER INFORMATION: Xaa = S or C
176 <220> FEATURE:
177 <221> NAME/KEY: variant
178 <222> LOCATION: (68)..(68)
179 <223> OTHER INFORMATION: Xaa = I or T
181 <220> FEATURE:
182 <221> NAME/KEY: variant
183 <222> LOCATION: (70)..(70)
184 <223> OTHER INFORMATION: Xaa = P or A

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Input Set : A:\43232-1.txt

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186 <220> FEATURE:
187 <221> NAME/KEY: variant
188 <222> LOCATION: (78)..(78)
189 <223> OTHER INFORMATION: Xaa = R or Q
191 <220> FEATURE:
192 <221> NAME/KEY: variant
193 <222> LOCATION: (85)..(85)
194 <223> OTHER INFORMATION: Xaa = F or C
196 <220> FEATURE:
197 <221> NAME/KEY: variant
198 <222> LOCATION: (100)..(100)
199 <223> OTHER INFORMATION: Xaa = Y or C
201 <220> FEATURE:
202 <221> NAME/KEY: variant
203 <222> LOCATION: (105)..(105)
204 <223> OTHER INFORMATION: Xaa = P or H or S
206 <220> FEATURE:
207 <221> NAME/KEY: variant
208 <222> LOCATION: (110)..(110)
209 <223> OTHER INFORMATION: Xaa = I or L
211 <220> FEATURE:
212 <221> NAME/KEY: variant
213 <222> LOCATION: (112)..(112)
214 <223> OTHER INFORMATION: Xaa = G or R
216 <220> FEATURE:
217 <221> NAME/KEY: variant
218 <222> LOCATION: (113)..(113)
219 <223> OTHER INFORMATION: Xaa = S or T
221 <220> FEATURE:
222 <221> NAME/KEY: variant
223 <222> LOCATION: (114)..(114)
224 <223> OTHER INFORMATION: Xaa = T or S
226 <220> FEATURE:
227 <221> NAME/KEY: variant
228 <222> LOCATION: (118)..(118)
229 <223> OTHER INFORMATION: Xaa = T or V or A
231 <220> FEATURE:
232 <221> NAME/KEY: variant
233 <222> LOCATION: (119)..(119)
234 <223> OTHER INFORMATION: Xaa = G or E or Q
236 <220> FEATURE:
237 <221> NAME/KEY: variant
238 <222> LOCATION: (120)..(120)
239 <223> OTHER INFORMATION: Xaa = P or A or S
241 <220> FEATURE:
242 <221> NAME/KEY: variant
243 <222> LOCATION: (122)..(122)
244 <223> OTHER INFORMATION: Xaa = K or R
246 <220> FEATURE:

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247 <221> NAME/KEY: variant
248 <222> LOCATION: (125)..(125)
249 <223> OTHER INFORMATION: Xaa = T or M
251 <220> FEATURE:
252 <221> NAME/KEY: variant
253 <222> LOCATION: (126)..(126)
254 <223> OTHER INFORMATION: Xaa = T or I or S or A
256 <220> FEATURE:
257 <221> NAME/KEY: variant
258 <222> LOCATION: (127)..(127)
259 <223> OTHER INFORMATION: Xaa = P or T or A or I or L
261 <220> FEATURE:
262 <221> NAME/KEY: variant
263 <222> LOCATION: (128)..(128)
264 <223> OTHER INFORMATION: Xaa = A or V
266 <220> FEATURE:
267 <221> NAME/KEY: variant
268 <222> LOCATION: (131)..(131)
269 <223> OTHER INFORMATION: Xaa = N or T
271 <220> FEATURE:
272 <221> NAME/KEY: variant
273 <222> LOCATION: (133)..(133)
274 <223> OTHER INFORMATION: Xaa = M or K or L
276 <220> FEATURE:
277 <221> NAME/KEY: variant
278 <222> LOCATION: (134)..(134)
279 <223> OTHER INFORMATION: Xaa = F or Y or I
281 <220> FEATURE:
282 <221> NAME/KEY: variant
283 <222> LOCATION: (136)..(136)
284 <223> OTHER INFORMATION: Xaa = S or Y
286 <220> FEATURE:
287 <221> NAME/KEY: variant
288 <222> LOCATION: (137)..(137)
289 <223> OTHER INFORMATION: Xaa = C or S
291 <220> FEATURE:
292 <221> NAME/KEY: variant
293 <222> LOCATION: (140)..(140)
294 <223> OTHER INFORMATION: Xaa = T or I or S
296 <220> FEATURE:
297 <221> NAME/KEY: variant
298 <222> LOCATION: (143)..(143)
299 <223> OTHER INFORMATION: Xaa = T or S
301 <220> FEATURE:
302 <221> NAME/KEY: variant
303 <222> LOCATION: (144)..(144)
304 <223> OTHER INFORMATION: Xaa = D or A
306 <220> FEATURE:
307 <221> NAME/KEY: variant

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/831,686A

DATE: 01/12/2005
TIME: 09:47:42

Input Set : A:\43232-1.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,8,10,13,18,19,21,24,26,27,30,33,44,45,46,47,49,51
Seq#:1; Xaa Pos. 53,56,57,59,61,63,64,68,70,78,85,100,105,110,112,113,114
Seq#:1; Xaa Pos. 118,119,120,122,125,126,127,128,131,133,134,136,137,140
Seq#:1; Xaa Pos. 143,144,155,158,159,160,161,165,166,168,170,174,177,178
Seq#:1; Xaa Pos. 182,183,184,185,187,189,192,193,194,197,198,200,202,204
Seq#:1; Xaa Pos. 205,206,207,209,210,213,220,221,223,224,225
Seq#:2; Xaa Pos. 17,29,35,44,46,47,48,50,52,53,54,55,56,57,60,61,65,71,75
Seq#:2; Xaa Pos. 77,79,84,85,89,95,99,114,115,116,117,118,122,125,126,128
Seq#:2; Xaa Pos. 133,138,139,140,143,145,147,148,149,150,151,152,153,156
Seq#:2; Xaa Pos. 157,164,179
Seq#:4; Xaa Pos. 18,37,46,48,51,53,55,56,57,58,59,60,63,64,68,74,78,80,82
Seq#:4; Xaa Pos. 87,88,92,98,102,117,118,119,120,121,125,128,129,131,136
Seq#:4; Xaa Pos. 141,142,143,144,146,148,150,151,152,153,154,155,156,159
Seq#:4; Xaa Pos. 160,167,182

VERIFICATION SUMMARY

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L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
M:341 Repeated in SeqNo=2
L:1080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
M:341 Repeated in SeqNo=4